
* INDIANA SINCLAIR-TIMEX USERS GROUP NEWSLETTER *

October 1986

Editor Frank Davis

NEXT MEETING

The next meeting of ISTUG will be held on October 25th at Frank Davis's house at 1:30 P.M. The address is 513 East Main St., Peru, IN 46970. For directions give me a call at 317-473-4885 in the evenings before 10 P.M. Parking will either be on the side streets or in the alley in back of the house. It is a white aluminum sided, two story house on the South side of the street. Remember to bring your TS2040's and your TS2050's so we can put LEDs in them and on-off switches. We will provide the LED's, but you must bring a single throw switch (if you are unsure what to bring we will get one for you). With these small changes to the modem and printer you will be able to tell when they are on and extend the life of the hardware. No more plugging and unplugging the power supply, unless you want.

The November meeting will be held in Bloomington, IN at the home of Basil Wentworth, (renowned for his articles in SyncWare News.) This will be on November 22nd at 1:30 P.M. This will give members and other interested parties a chance to make it to a meeting in the southern part of the state. His address is 1413 Elliston Drive, and his phone number is 812-336-0837. For those familiar with Bloomington go South on High St. off of 3rd, turn right at the end of High St. onto Winslow Road to Allendale Drive, then left onto ^{IN}Bakeridge and left again onto Elliston Drive and the house is on the left. Hope to see you there!

MEMORY CALCULATOR

BY WILLIE JONES

Here is a short utility to use with the TS1000 and the TS1500. It will tell you 5 things.

- 1) Ram size
- 2) Program size
- 3) Display File size
- 4) Memory used by variables
- 5) Spare memory

Just tag it on the end of your program and call it when needed. This will show you how your memory is used up, as well as how much is LEFT. Access by GOSUB 9200.

```
9200 PRINT "RAM ";((PEEK 16388+256*PEEK 16389)-16384)/1024;"K"
9205 PRINT "PROGRAM ";PEEK 16396+256*PEEK 16397-16509
9210 PRINT "DISPLAY ";PEEK 16400+256*PEEK 16401-PEEK
16396-256*PEEK 16397
9220 PRINT "VARIABLES ";PEEK 16404+256*PEEK 16405-PEEK
16400-256*PEEK 16401
9230 PRINT "SPARE ";PEEK 16386+256*PEEK 16387-PEEK
16412-256*PEEK 16413
9240 PAUSE 150
```

QL NEWS

I just got a QL from Curry Computer. When I have had a bit more time to work with it I will give you my review of it. I hope to be using it soon to put out the newsletter and possibly with a different printer. The printer I have been using is an Olivetti Ink Jet Printer, which I have yet to satisfactorily

figure out how to make the best use of.

For those interested in getting a QL the cheap way I have a suggestion. It can be obtained as a kit, which requires no soldering to put together. The only needed tool is a Philips screwdriver, and for only \$185. This will include a universal modem adaptor and a terminal program. It does not, however, include the four PSION programs normally bundled with the computer. I saw this article in CTM Magazine, October issue.

The address of the company is:

QUANTUM COMPUTING
P.O. BOX 1280
DOVER, NJ 07801

Please include \$10 for shipping and handling. You might also want to write and get a copy of their catalog. Their phone number is 201-328-8846, 24 hours.

I purchased my QL from Curry Computer for the low price of \$199, plus shipping and handling. This did not include a modem adaptor or Terminal software, but it was not a kit and did have the four great PSION programs. You can order toll free from Curry by calling 1-800-628-2828 Ext 950. For slightly higher prices they have several other good package deals floating around, so give them a call if interested. Let us support our dealers now so that they are still there later to serve us. For a catalog from Curry write to:

CURRY COMPUTER
P.O. BOX 5607
GLENDALE, AZ 85312-5607

NEWS FROM ILLINOIS

On a recent trip out to California, David Lebowitz went to visit Sunset Electronics in San Francisco, and was much impressed with this store devoted to TS and ZX computers. He also attended the monthly meeting of the Bay Area TS Users Group and said they were a marvelous group of people (I have always felt that way about the vast majority of TS users I have met).

From one of the back issues of their newsletter he found out that George Featherman-(5956 45th Ave., St. Petersburg, FL 33709, 813-546-4278) has modified Tom Woods Pro-File so that it works on Wafadrive. You still need Tom Woods extensive manual to get the best use of it, so be sure to buy Tom's program, not just the modification. The price from George is \$10, plus \$1 for handling.

From James Kerr I recently received the following. "The programs below are those I use to print the buffer of the MTERM after downloading text or programs. I have also "MERGED" after exiting without crashing as long as it doesn't overflow the buffer area. The number added to the PEEKs is the buffer used from MTERM when the buffer is just loaded with this program. The second program is used to copy a screen on a 7 pin dot matrix printer using the Wafa-Drive.

I hope to see more of your articles in TS Horizons."

```
1 FORMAT*":1200: OPEN #4,"": PRINT #4: CHR$ 15+CHR$ 8
2 DATA 30,0,207,30,201
3 RESTORE : LET a=USR " ": FOR c=a TO a+4: READ n: POKE a,n:
NEXT c: POKE a+1,8: RANDOMIZE USR a
4 FOR y=175 TO 0 STEP -7
5 FOR x=0 TO 255: LET p=(128+POINT (x,y)+2*POINT (x,y-1) +4*
POINT (x,y-2)+8*POINT (x,y-3)+16*POINT (x,y-4)+32*POINT
(x,y-5)+64*POINT (x,y-6))
6 POKE a+1,p: RANDOMIZE USR a
```

```

7 NEXT x: POKE a+1,13: RANDOMIZE USR a
8 NEXT y
9 POKE a+1,15: RANDOMIZE USR a: STOP
10 SAVE #copy

```

In line 3, between the double", insert a graphics A. The machine language in line 2 is from the Wafa-Drive Engineering Bulletin. It is stored in UDG graphics "A" and is relocatable. With this program in:Type--CLS: LOAD""SCREENS: GOTO 1 or GOTO 3 if streams are already open.(ENTER)

```

1 FORMAT #1,1200: OPEN #4,"": PRINT #4: CHR$ 15
3   FOR   k=268+(PEEK 23635+256*PEEK 23636) TO PEEK
23627+256*PEEK23628: IF PEEK k=8 OR PEEK k=14 THEN NEXT k
4 LET P=PEEK k: IF P=13 THEN LET P=20
5 PRINT #4: CHR$ (P);: NEXT k
6 STOP
7 LOAD #termb
9 RANDOMIZE USR 54016
10 REM Delete this line:

```

LOAD#Mterm#CODE---CLEAR BUFFER---Type in this program---GOTO 9---Check BUFUSD in MTERM---EXIT---Put in line 3 after FOR k=(no. in BUFUSD)+(PEEK))etc. SAVE #MTERM#Line 7 then SAVE # "termb",54016,9216

I hope users have adapted MTERM to Spectrum as it will crash upon EXITING to Basic in the Spectrum mode if this is not done.

ISTUG BBS PROGRAM

The BBS program that ISTUG uses was developed by Paul Holmgren and Willie Jones. For those of you who have not logged onto our BBS (24 hours a day, 7 days a week) at 317-898-3903, do so and check it out. It has automatic word wrap, a real time clock, allows messages to the SYSOP to be printed out on a 2040 printer to save memory for messages, etc. They are now offering this program to each and all at a very reasonable price, of only \$16. This way you can set up your own local board on your TS2068. It can be accessed by non-Sinclair computers.

Next issue I am going to list all the known BBS's that are TS specific or have a sub-board for our computers. I'll be giving you the parameters of fully logging onto them, telephone numbers, where they are out of and any other available information. This data is being supplied to us by Pete Fischer of Tempe, AZ and by Steve Ishii of Cerritos, Ca. They are presently doing up a small publication called "The T/S guide to telecommunication". It is this kind of service that has allowed us to keep on finding more uses for our little jewels.

WANTED AND NEEDED

I need hints, tips, suggestions, questions, and programs (long ones on tape in either program format or as a text file fit for either Tasword 2 or Spectral Writer), for future use in our newsletter. Let me know of your experiences as a computer user be it a game or a utility or a business use. How about some educational uses? Send them to : ISTUG, 513 East Main St., Peru, IN 46978.